



Conference Activities 2012:

- The ACAT summer schools in Chipiona, Spain (October 17-18, 2011, around 20 participants) and Bologna, Italy (May 25-26, 2012, around 50 participants) have both been very successful: stimulating lectures, interested and active students. These two summer schools were coupled with the workshops CATMI <http://congreso.us.es/catmi2011/organization.php> (October 19-20, 2011) and CTIC <http://ctic2012.dm.unibo.it/> (May 28-30, 2012, in Bertinoro, Italy), both cosponsored by ACAT. Both conferences were successful and ACAT was clearly on the agenda. All papers accepted for CTIC will be published in a volume of LNCS; selected papers will be published in a special issue of Computer Vision and Image Understanding.
- The conference Dynamics, Topology and Computations <http://www.ii.uj.edu.pl/DyToComp2012/> - the 3rd in a series - took place at the Institute of Mathematics of the Polish Academy of Sciences at Będlewo, Poland (June 24-30, 2012) with around 100 participants, many of them from the ACAT network. The conference was very well-organized, many interesting talks. Slides of the talks have been made available on the web site. A next conference in this framework is planned for 2015.
- A mini-symposium Applied and Computational Algebraic Topology <http://acat.lix.polytechnique.fr/index.php/Main/KrakowMiniSymp> advertising ACAT themes has been held at the 6th European Congress of Mathematics at Kraków, Poland, <http://www.6ecm.pl/> on July 4 with around 30 participants; the slides of the talks have been made available on the ACAT web site. Herbert Edelsbrunner was one of the ten plenary speakers at 6ECM – a brilliant talk with a big audience.
- A workshop ACAT in Aalborg <http://people.math.aau.dk/~fajstrup/KONFERENCER/> with 14 participants focused on topics in directed and computational algebraic topology.

Conference Activities planned for 2013: The ACAT steering committee has decided to support the following events in 2013:

- 17th IAPR International Conference on Discrete Geometry for Computer Imagery <http://dgc2013.us.es/>, Sevilla, Spain, March 20-22.
- Summer school on computational topology and topological data analysis, Ljubljana, Slovenia, July 1-5.
- Applied and Computational Algebraic Topology, Bremen, Germany, July 15-19.
- Applied Topology Bedlewo 2013, <http://bcc.impan.pl/13AppTop/>, Bedlewo, Poland, July 22-27.

Applications for support of other events in 2013 (and possibly later) will be discussed at the next meeting of the steering committee in July 2013 and should be sent to the ESF office no later than June

¹Previous Newsletters can be found at <http://acat.lix.polytechnique.fr/>

30, 2013. Please use the ESF form at <http://www.esf.org/activities/research-networking-programmes/physical-and-engineering-sciences-pesc/current-research-networking-programmes/applied-and-computational-algebraic-topology-acat/science-meetings.html>

Visit and exchange grants: So far, one exchange grant (Poland -> Portugal) and ten visit grants (Poland -> Denmark (2) and Austria; UK-> France, Israel and Spain; Portugal->Poland; Israel->UK; Belgium->Portugal; Denmark->Poland), have been allocated by ACAT. There is room for more activity. Please advertise this option for support of existing and emerging cooperation. For applications, please refer to <http://www.esf.org/activities/research-networking-programmes/physical-and-engineering-sciences-pesc/current-research-networking-programmes/applied-and-computational-algebraic-topology-acat/grants.html>.

Steering committee meeting 2012: Six members of the ACAT steering committee met for the annual meeting in Edinburgh, Scotland, UK, on July 6 at the ICMS right after the ATMCS conference there. Among other items, the participants reviewed the activities so far, decided to support the last mentioned workshop in 2012 and the first mentioned conference in 2013 and discussed the possibility of establishing an international research journal within the field Applied and Computational Algebraic Topology. The next annual meeting will take place in July 2013 in Bremen or in Bedlewo. ACAT will also have to face an ESF midterm evaluation in the second half of 2013.

Web site: Please contribute to the ACAT web site <http://acat.lix.polytechnique.fr/index.php> with suggestions and contributions.

Calendar of Events:

- March 20-22, 2013: 17th IAPR International Conference on Discrete Geometry for Computer Imagery, Sevilla, Spain: <http://dgci2013.us.es/>
- July 1-5, 2013: Summer school on computational topology and topological data analysis, Ljubljana, Slovenia.
- Applied and Computational Algebraic Topology, Bremen, Germany, July 15-19.
- July 22-27, 2013 Applied Topology Bedlewo 2013, Bedlewo, Poland: <http://bcc.impan.pl/13AppTop/>
- September 1, 2013 – June 30, 2014: IMA Thematic year on scientific and engineering applications of algebraic topology, Twin Cities MN, USA: <http://www.ima.umn.edu/2013-2014/>
- January 6 – February 7, 2014: Structures mathématiques du calcul, Lyon, France: <http://milyon.universite-lyon.fr/>
- January 20 – May 23, 2014: Algebraic Topology, MSRI, Berkeley CA, USA: <http://www.msri.org/web/msri/scientific/programs/show/-/event/Pm8964>

